

To provide a lithium secondary cell, which is excellent in productivity since a cell structure is simple and easy for assembly. Provided is a lithium secondary cell having: an internal electrode body including a positive electrode plate, a negative electrode plate, the positive electrode plate and the negative electrode plate being wound and laminated around an external periphery wall of a hollow cylindrical winding core, and inside the internal electrode body a nonaqueous electrolyte solution being impregnated, a cylindrical cell case contained in this internal electrode body 1 with both ends being opened, and two electrode caps sealing the above described internal electrode body 1 at both the open ends of this cell case. The electrode cap has a plate member sealing the internal electrode body and disposed so as to seal both the open ends of the above described cell case, an external terminal member protruding onto the surface of the electrode caps to lead out currents to outside, and an internal terminal member brought into connection with the internal electrode body and taking out currents from the internal electrode body, and an elastic body and at least two of the above described plate member, the external terminal member and the internal terminal member are joined together for construction. Furthermore, there is also provided an assembly of lithium secondary cells.